

WisDOT 2005 Wisconsin Railroads

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Identification_Information:

Citation:

Citation_Information:

Originator: Wisconsin Department of Transportation (WisDOT)

Publication_Date: 2005

Title: WisDOT 2005 Wisconsin Railroads

Geospatial_Data_Presentation_Form: vector digital data

Publication_Information:

Publication_Place: Madison, Wisconsin, USA

Publisher: Wisconsin Department of Transportation (WisDOT)

Online_Linkage:

[<http://www.dot.wisconsin.gov/library/publications/format/maps.htm>](http://www.dot.wisconsin.gov/library/publications/format/maps.htm)

Larger_Work_Citation:

Citation_Information:

Originator: Wisconsin Department of Transportation (WisDOT)

Publication_Date: Varies

Title: Location Control Management (LCM) Data Sets

Publication_Information:

Publication_Place: Madison, Wisconsin, USA

Publisher: Wisconsin Department of Transportation
(WisDOT)

Description:

Abstract:

This data set is a line shape file representing railroads in Wisconsin, derived from a data set developed by the Wisconsin Dept. of Transportation (WisDOT), and called the "1:100,000-scale Rails Chain Database". Metadata for the Rails Chain Database as developed by WisDOT is reproduced here, (with section names in a green font), together with additional information about minor modifications to the data carried out by WiDNR. The WisDOT Rails Chain Database is an Arc/Info coverage representing the centerline of Wisconsin railroad lines which was compiled from the 100K Digital Line Graph produced by the US Geological Survey and from rail industry track charts and timetables. This data set includes all main track and sidings identified in railroad timetables; does not include abandonments. Some lines extend beyond state borders, however, data outside of Wisconsin is for cartographic purposes only and will not be maintained.

Purpose:

This data set was created to support comprehensive state-wide rail and intermodal system planning in the Bureau of Planning, and is a component of the Rail Infrastructure Database System and the Commodity Information Management System. This data set is intended for planning purposes only at 1:100,000 scale. This data set is not designed for use as a primary regulatory tool in permitting and citing decisions, but may be used as a reference source.

Supplemental_Information:

The rail chains database is part of the larger Rails (Location Control Management) Database.

*Time_Period_of_Content:**Time_Period_Information:**Single_Date/Time:*

Calendar_Date: 2005

Currentness_Reference: publication date

Status:

Progress: Complete

Maintenance_and_Update_Frequency: Irregular

*Spatial_Domain:**Bounding_Coordinates:*

West_Bounding_Coordinate: -92.88922

East_Bounding_Coordinate: -86.76400

North_Bounding_Coordinate: 47.08095

South_Bounding_Coordinate: 42.49180

*Keywords:**Theme:*

Theme_Keyword_Thesaurus: none

Theme_Keyword: railroads

Theme_Keyword: railways

Theme_Keyword: rails

Theme_Keyword: transportation
Theme_Keyword: Burlington Northern-Santa Fe
Theme_Keyword: Canadian Pacific Railway
Theme_Keyword: Duluth, Missabe and Iron Range
Theme_Keyword: Escanaba & Lake Superior
Theme_Keyword: Fox Valley & Western
Theme_Keyword: I & M Rail Link
Theme_Keyword: Municipality of East Troy Wisconsin Railroad
Theme_Keyword: Saulte Ste. Marie Bridge Company
Theme_Keyword: Tomahawk Railway
Theme_Keyword: Union Pacific Railroad
Theme_Keyword: Wisconsin Central Ltd.
Theme_Keyword: Wisconsin & Southern Railroad
Theme_Keyword: BN
Theme_Keyword: Soo Line
Theme_Keyword: CP
Theme_Keyword: DMIR
Theme_Keyword: ELS
Theme_Keyword: FVW
Theme_Keyword: IMRL
Theme_Keyword: SSAM
Theme_Keyword: TR
Theme_Keyword: UP
Theme_Keyword: WCL
Theme_Keyword: WSOR

Place:

Place_Keyword_Thesaurus: none
Place_Keyword: Wisconsin

Access_Constraints:

In accordance with Wisconsin State Statutes regarding open records, in particular, Subchapter II - Public Records and Property, Sections 19.31 through 19.39 (data access and distribution).

Use_Constraints: none

Point_of_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Maria Hart

Contact_Organization:

Wisconsin Department of Transportation, Division of Transportation
Investment Management, Bureau of Planning, Multimodal Planning
Unit

Contact_Position: Information System Program Analyst

Contact_Position: GIS Consultant

Contact_Address:

Address_Type: mailing address

Address: 4802 Sheboygan Avenue, Room 901

City: Madison

State_or_Province: Wisconsin

Postal_Code: 53707

Country: United States

Contact_Address:

Address_Type: mailing address

Address: 4802 Sheboygan Avenue, Room 201B

City: Madison

State_or_Province: Wisconsin

Postal_Code: 53707

Country: United States

Contact_Voice_Telephone: 608-266-8968

Contact_Voice_Telephone: 608-266-6975

Contact_Facsimile_Telephone: 608-267-0294

Contact_Facsimile_Telephone: 608-266-1515

Contact_Electronic_Mail_Address:

mhart-emx (internal WisDOT) or mhart@mail.state.wi.us

Contact_Electronic_Mail_Address:

jduchate-emx (internal WisDOT) or jduchate@mail.state.wi.us

Hours_of_Service: 8:30 to 2:30 Monday to Wednesday

Hours_of_Service: 8:00 to 4:00 Monday to Friday

Contact_Instructions: call for information

Contact_Instructions: call for information

Browse_Graphic:

Browse_Graphic_File_Name: <http://wisclinc.state.wi.us/metadata/dot/dotrls01.gif>

Browse_Graphic_File_Description:

Screensize image of WisDOT 1:100,000 Scale Roadway Chain

Browse_Graphic_File_Type: GIF

Native_Data_Set_Environment: Unix Arc/Info version 7.1.2

Cross_Reference:

Citation_Information:

Originator: United States Geological Survey

Publication_Date: 1986

Title: 1:100000 Transportation Layer Digital Line Graph

Online_Linkage: <ftp://edcftp.cr.usgs.gov/pub/data/DLG/100K>

Cross_Reference:

Citation_Information:

Originator: Railroad companies

Publication_Date: varies

Title: Track charts

Geospatial_Data_Presentation_Form: map

Data_Quality_Information:

Logical_Consistency_Report: Non-planar chain-node topology present.

Completeness_Report:

Refer to the Rails Chain Database section of the Location Control Management (LCM) Manual, WisDOT, Madison, Wisconsin, USA

Positional_Accuracy:

Horizontal_Positional_Accuracy:

Horizontal_Positional_Accuracy_Report:

Conforms to U.S. National Map Accuracy Standards.

Quantitative_Horizontal_Positional_Accuracy_Assessment:

Horizontal_Positional_Accuracy_Value: 167 feet

Horizontal_Positional_Accuracy_Explanation: Resolution as reported

Lineage:

Source_Information:

Source_Citation:

Citation_Information:

Originator: United States Geological Survey

Publication_Date: 1986

Title: 1:100000 Transportation Layer Digital Line Graph

Type_of_Source_Media: digital line graph

Source_Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: unknown

Source_Currentness_Reference: publication date

Source_Citation_Abbreviation: USGS DLG

Source_Contribution:

Centerline coordinate for the shape and node identification.

Source_Information:

Source_Citation:

Citation_Information:

Originator: Railroad companies

Publication_Date: varies

Title: Track charts

Geospatial_Data_Presentation_Form: map

Type_of_Source_Media: paper

Source_Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: Unknown

Source_Currentness_Reference: publication data

Source_Citation_Abbreviation:

Source_Contribution:

Updates to track centerline coordinate geometry and milepost stationing at various scales for the shape and node identification.

Process_Step:

Process_Description:

The Rails Chain database was produced by changing the 1:100000 scale DLG's from planar to nonplanar, altering the number, names and content of attributes, and re-tiling the quadrangles to statewide extent. For a more detailed explanation, see the Rail Chain Conversion documentation Rails Chain Database section of the Location Control Management (LCM) Manual, WisDOT, Madison, Wisconsin.

Process_Date: 1997

Process_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: Wisconsin Department of Transportation

Contact_Position: Transportation Planner

Contact_Electronic_Mail_Address: maria.hart@dot.state.wi.us

Process_Step:

Process_Description:

Using the converted DLG information as a base dataset, the track chart information was used to update the database via heads-up digitizing.

Process_Date: 1996

Process_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: Wisconsin Department of Transportation

Contact_Position: Transportation Planner

Contact_Electronic_Mail_Address: maria.hart@dot.state.wi.us

Process_Step:

Process_Description:

In February 2006, the Wisconsin Department of Natural Resources (DNR) received an e-mail from the Wisconsin Department of Transportation (WisDOT) with an attached zipfile containing a line shapefile representing 2005 Wisconsin rail lines.

DNR staff removed railroad arcs from the shapefile extending distances greater than approximately 15,000 meters beyond the Wisconsin state

boundary.

Process_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: Wisconsin DNR, Bureau of
Technology Services

Contact_Position: GIS Data Specialist

Contact_Address:

Address_Type: mailing address

Address: P.O. Box 7921

City: Madison

State_or_Province: WI

Postal_Code: 53707-7921

Country: USA

Contact_Electronic_Mail_Address: geodata@dnr.state.wi.us

Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Vector

Point_and_Vector_Object_Information:

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: String

Point_and_Vector_Object_Count: 4972

Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:

Planar:

Map_Projection:

Map_Projection_Name: Transverse Mercator

Transverse_Mercator:

Scale_Factor_at_Central_Meridian: 0.999600

Longitude_of_Central_Meridian: -90.000000

Latitude_of_Projection_Origin: 0.000000

False_Easting: 520000.000000

False_Northing: -4480000.000000

Planar_Coordinate_Information:

Planar_Coordinate_Encoding_Method: coordinate pair

Coordinate_Representation:

Abcissa_Resolution: 5

Ordinate_Resolution: 5

Planar_Distance_Units: meters

Geodetic_Model:

Horizontal_Datum_Name: North American Datum of 1983, 1991 adjustment

Ellipsoid_Name: GRS80

Semi-major_Axis: 6378137

Denominator_of_Flattening_Ratio: 298.25722210088

Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: rrdlarc

Attribute:

Attribute_Label: FID

Attribute_Definition: Internal feature number.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain:

Sequential unique whole numbers that are automatically generated.

Attribute:

Attribute_Label: Shape

Attribute_Definition: Feature geometry.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain: Coordinates defining the features.

Attribute:

Attribute_Label: FNODE_

Attribute:

Attribute_Label: TNODE_

Attribute:

Attribute_Label: LPOLY_

Attribute:

Attribute_Label: RPOLY_

Attribute:

Attribute_Label: LENGTH

Attribute:

Attribute_Label: RR_CHN_

Attribute:

Attribute_Label: RR_CHN_ID

Attribute:

Attribute_Label: RR_CHN_I_1

Attribute:

Attribute_Label: STUS

Attribute:

Attribute_Label: DT_REPR_CU

Attribute:

Attribute_Label: DT_REPR_HS

Attribute:

Attribute_Label: DT_TRX_CUR

Attribute:

Attribute_Label: DT_TRX_HST

Attribute:

Attribute_Label: RR_RTE_TY

Attribute:

Attribute_Label: RR_OWNR_NM

Attribute:

Attribute_Label: RR_RTE_NM

Attribute:

Attribute_Label: SYS_DSGT_T

Attribute:

Attribute_Label: DERIVED

Overview_Description:

Entity_and_Attribute_Detail_Citation:

Detailed information is available about line features included in the 1:100000-scale Rails Chain data set (contact WisDOT).

Distribution_Information:

Distributor:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: Wisconsin Department of Transportation

Contact_Position: Transportation Planner

Contact_Address:

Address_Type: mailing address

Address: 4802 Sheboygan Avenue

City: Madison

State_or_Province: Wisconsin

Postal_Code: 53707

Country: United States

Contact_Electronic_Mail_Address: maria.hart@dot.state.wi.us

Hours_of_Service: 7:30 to 4:00 Monday to Friday

Contact_Instructions: call for info

Resource_Description: Offline data

Distribution_Liability:

The information contained in this data set was created for the official use of the Wisconsin Department of Transportation (WisDOT). Any other use while not prohibited, is the sole responsibility of the user. WisDOT expressly disclaims all liability regarding fitness of use of the information for other than official WisDOT business.

Standard_Order_Process:

Digital_Form:

Digital_Transfer_Information:

Transfer_Size: 0.458

Digital_Transfer_Option:

Online_Option:

Computer_Contact_Information:

Network_Address:

Ordering_Instructions: Contact the Wisconsin Department of Transportation.

Custom_Order_Process: call or write distributor

Technical_Prerequisites: Arc/Info 7.1.2

Distribution_Information:

Distributor:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: Wisconsin DNR, Bureau of Technology Services

Contact_Position: GIS Data Specialist

Contact_Address:

Address_Type: mailing address

Address: P.O. Box 7921

City: Madison

State_or_Province: WI

Postal_Code: 53707-7921

Country: USA

Contact_Electronic_Mail_Address: geodata@dnr.state.wi.us

Resource_Description: Online data

Distribution_Liability:

Refer to <<http://www.dnr.state.wi.us/org/legal/WebSiteLegalInformation.html>>

Standard_Order_Process:

Digital_Form:

Digital_Transfer_Information:

Transfer_Size: 0.458

Digital_Transfer_Option:

Online_Option:

Computer_Contact_Information:

Network_Address:

Network_Resource_Name:

[<ftp://gomapout.dnr.state.wi.us/geodata/transportation/WisDOT_railroads.zip>](ftp://gomapout.dnr.state.wi.us/geodata/transportation/WisDOT_railroads.zip)

Access_Instructions: Download from DNR ftp site.

Ordering_Instructions: Download from DNR ftp site.

Metadata_Reference_Information:

Metadata_Date: 19981116, 20060707

Metadata_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: Wisconsin DNR, Bureau of Technology Services

Contact_Position: GIS Data Specialist

Contact_Address:

Address_Type: mailing address

Address: P.O. Box 7921

City: Madison

State_or_Province: WI

Postal_Code: 53707-7921

Country: USA

Contact_Electronic_Mail_Address: geodata@dnr.state.wi.us

Hours_of_Service: Normal business hours or as available.

Metadata_Standard_Name: FGDC CSDGM

Metadata_Standard_Version: FGDC-STD-001-1998

Metadata_Time_Convention: local time

Metadata_Extensions:

Online_Linkage: [<http://www.esri.com/metadata/esriprof80.html>](http://www.esri.com/metadata/esriprof80.html)

Profile_Name: ESRI Metadata Profile

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